**WORKSHEET – 2**

**IDEA EVALUATION WORKSHEET- Based on 5q by Prof.EdRubaesch**

Q1. WHAT’S THE PROBLEM ?

1. IS IT REAL

Yes, it is. The power transformers are costly and they should be maintained properly . Checking each transformer at each location gets difficult. So our web page is going to help for online monitoring.

1. HOW BIG IS THE PROBLEM

It is estimated that a power transformer failure would cost $7.5 million which can be prevented by proper maintenance before failure.

1. WHEN DOES IT OCCUR

When the parameters like voltage ,current ,etc which determines the health index of power transformer exceeds the maximum limit.

1. FREQUENCY OF OCCURRENCE

The average life time of a power transformer is 20 years which can be extended to 40 years by proper maintenance. Our webpage helps for online monitoring .

1. CURRENT SOLUTIONS

The transformer condition is checked manually till today which is difficult and it can be improved by online monitoring .

Q2. WHO HAS THE PROBLEM-customer identification

* PROFILE

The authorities who check each and every transformer at every location manually.

* LIFESTYLE

Our customers are the authorities who check transformer at each location and who find the heath index of the power transformer . They have to check each transformer at every location manually which gets difficult. Our webpage will help the concerned authorities to check the health index of transformer online.

* SEGMENT

The power transformer depends on parameters like voltage, current , moisture , dissolve gas test, partial discharge , insulation failure, fibre optic sensor and steel test.

* POSITION-CRITICALITY OF NEED

If it is available there is a possibility of huge changes in the power transformer and it is the easiest way to monitor the health index of a transformer.

Q3. WHAT’S YOUR SOLUTION

* WHATS YOUR UNIQUE PROPOSITION

We have developed a webpage using Java Server Pages which shows the location of transformer on Google Maps and the health index of transformer by using a marker, green marker for representing good and red marker for representing bad condition of a transformer.

* DO YOU OWN IT- IPR

We don’t have any Intellectual Property Rights.

Q4. WHO IS COMPETITION

* HOW ARE YOU DIFFERENT

There is no online monitoring till this date . Our idea of showing the health index of a transformer on Google Maps makes it easy for the authorities to use it. This makes us different.

* ARE YOU THE UBER OR YOU UBERED

This webpage is the first to online monitor a power transformer and it can hugely prevent the transformer failure by properly monitoring ahead . So we are kind of the Uber who can change the way the power transformer are being monitored till today. Our idea makes monitoring easy.

Q5. HOW IS IT MADE POSSIBLE-

* RESOURCES/ TECHNOLOGY/- JSP(Eclipse), Sensors , Google Maps ,Thing speak
* SOCIAL/ECOLOGICAL FEASABILTY – It is feasible for the amount invested.
* Man,money ,machine,materials.

IDEA EVALUATION- SUMUP

CUSTOMERS:

MOST UNDERSERVED SEGMENT

SIZE

TARGET

COMPETITION

DIFFERENTIATOR

ECONOMIC FEASABILITY

IP

TECHNOLOGY NEEDED

COMPETENCIES

KNOWLEDGE NEEDED

SKILLS NEEDED

TEAM COHESIVENESS

NETWORK